

La Salle 2

2Q/2006 Plant Inspection Findings

Initiating Events

G**Significance:** Oct 07, 2005

Identified By: NRC

Item Type: FIN Finding

Weaknesses in Corrective Action Program and NRC Performance Indicator Procedure Implementation and Use

The inspectors identified a finding of very low safety significance. Specifically, the inspectors identified several examples where the licensee did not adequately implement applicable corrective action and performance indicator procedural requirements associated with the White PI issue. Because the submission of PI program data is voluntary and not required by code or regulation, no associated violations of regulatory requirements were identified by the inspectors.

Because this finding was related to a PI that exceeded a threshold, the inspectors determined that it was of more than minor significance. The inspectors determined that the finding was not suitable for SDP evaluation because non-compliance with CAP and PI procedures did not directly result in degraded or inoperable equipment. Therefore, this finding was reviewed by NRC Regional Management, in accordance with IMC 0612, Section 05.04c, and determined to be of very low safety significance. Corrective actions by the licensee include the planned completion of an overall root cause evaluation (RCE) to identify problems, evaluate root causes, and determine corrective actions relative to this White PI.

Inspection Report# : [2005012\(pdf\)](#)

Mitigating Systems

G**Significance:** Sep 02, 2005

Identified By: NRC

Item Type: NCV NonCited Violation

Procedures Fail To Ensure Fire Doors Are Operable

A finding of very low safety significance was identified by the inspectors for a violation of Technical Specification 5.4.1(c) requirements. The licensee failed to establish written procedures that contained direction for ensuring that fire doors (i.e., fire-rated barriers) were closed and latched. Specifically, the inspectors found an inoperable fire door in which the latching pins were not extended into the door frame. The licensee's daily fire door surveillance failed to include direction for ensuring that the latching pins in the inactive door leaf in a set of double doors were extended into the door frame. Once identified, the licensee entered the finding into their corrective action program as Issue Report 00363677 to revise the affected procedure.

The finding was more than minor because the potential existed for fire doors to have been inoperable without established compensatory measures. Also, two instances of inoperable fire doors were found as a result of the performance deficiency. An inoperable fire barrier could have allowed the propagation of fire from one fire area to another that contained redundant safe shutdown equipment. The finding was of very low safety significance because the two fire areas that were separated by the inoperable fire doors did not contain redundant equipment important for safe shutdown. (Section 1R05.9b)

Inspection Report# : [2005006\(pdf\)](#)**Significance: SL-IV** Jul 26, 2005

Identified By: NRC

Item Type: NCV NonCited Violation

Failure to Perform 10 CFR 50.59 Evaluation for an Adverse Change to the UFSAR

A finding of very low safety significance was identified by the inspectors associated with a Non-Cited Violation of 10 CFR 50.59, "Changes, Tests, and Experiments," where the licensee failed to complete a full evaluation in accordance with 10 CFR 50.59 for an adverse change to the nitrogen supply header description in the updated final safety analysis report. This issue was entered into the licensee's corrective action system.

This finding was more than minor because the screening was adverse and there was insufficient information to reasonably conclude that prior NRC approval was not necessary. This finding was categorized as Severity Level IV because the underlying technical issue for the finding was determined to be of very low safety significance using the Phase 1 worksheet.

Inspection Report# : [2005008\(pdf\)](#)

G**Significance:** Jul 26, 2005

Identified By: NRC

Item Type: NCV NonCited Violation

Inadequate Design Basis for Simultaneous Energization of Both Battery Chargers

A finding of very low safety significance was identified by the inspectors associated with a violation of 10 CFR Part 50, Appendix B, Criterion III, "Design Control," where the licensee failed to maintain an accurate design basis supporting the addition of loads on the safety-related buses, due to the simultaneous energization of both battery chargers. This issue was entered into the licensee's corrective action system and the licensee performed a preliminary analysis which showed that the safety-related buses would not be overloaded with both chargers energized simultaneously.

This finding was more than minor because it affected an attribute of the mitigating systems cornerstone. Specifically, the licensee could not initially demonstrate that the design basis of the plant was not affected by adding the additional battery charger load. This finding was of very low safety significance because it screened out using the Phase 1 worksheet.

Inspection Report# : [2005008\(pdf\)](#)G**Significance:** Jul 26, 2005

Identified By: NRC

Item Type: NCV NonCited Violation

Inadequate Water Leg Pump Room Heatup Calculation

A finding of very low safety significance was identified by the inspectors associated with a Non-Cited Violation of 10 CFR 50.63, "Loss of All Alternating Current Power." Specifically, LaSalle County Station failed to maintain an accurate design basis heat-up calculation that supported the heat loads that would be present during a station blackout event for the water leg pump room. This issue was entered into the licensee's corrective action system and the licensee performed a preliminary analysis which showed that the temperatures in the water leg pump room were within previously analyzed limits.

This finding was more than minor because it affected an attribute of the mitigating systems cornerstone. Specifically, the licensee had not maintained design control over the maximum heatup temperature in the water leg pump room which are necessary for coping with a station blackout. This finding was of very low safety significance because it screened out using the Phase 1 worksheet.

Inspection Report# : [2005008\(pdf\)](#)G**Significance:** Jul 26, 2005

Identified By: NRC

Item Type: NCV NonCited Violation

Inadequate Setpoint Calculation Associated with the RCIC Turbine Exhaust Pressure Trip

A finding of very low safety significance was identified by the inspectors associated with a Non-Cited Violation of 10 CFR 50.63, "Loss of All Alternating Current Power." Specifically, LaSalle County Station did not have an appropriate analysis to determine the capability of coping with a station blackout in that it had no design basis document that verified the proper operation of the reactor core isolation cooling (RCIC) turbine exhaust pressure trip during station blackout conditions. This issue was entered into the licensee's corrective action system and the licensee obtained additional information and performed a preliminary analysis which showed that the pressure trip would operate as required.

This finding was more than minor because it affected an attribute of the mitigating systems cornerstone. Specifically, the licensee had insufficient design control methods in place to demonstrate the operability or reliability of the RCIC turbine exhaust pressure trip during a station blackout. This finding was of very low safety significance because it screened out using the Phase 1 worksheet.

Inspection Report# : [2005008\(pdf\)](#)G**Significance:** Jul 26, 2005

Identified By: NRC

Item Type: NCV NonCited Violation

Inadequate Temperature Qualifications for RCIC Electronic Governor Modules

A finding of very low safety significance was identified by the inspectors associated with a Non-Cited Violation of 10 CFR 50.63, "Loss of All Alternating Current Power." Specifically, LaSalle County Station had RCIC room station blackout temperature profiles that exceeded the limiting temperature for the skid-mounted RCIC electronic governor module (EGM). This issue was entered into the licensee's corrective action system and the licensee performed a preliminary analysis which lowered the maximum temperature in the RCIC room. Additionally, the licensee performed testing on the EGM to show that it could operate within the expected temperatures for the required duration.

This finding was more than minor because it affected an attribute of the mitigating systems cornerstone. Specifically, the licensee had not maintained control of its design such that the capability of the RCIC EGM was invalid. This finding was of very low safety significance because it screened out using the Phase 1 worksheet.

Inspection Report# : [2005008\(pdf\)](#)G**Significance:** Jul 26, 2005

Identified By: NRC

Item Type: NCV NonCited Violation

Inadequate NPSH for the RCIC Pump

A finding of very low safety significance was identified by the inspectors associated with a Non-Cited Violation of 10 CFR 50.63, "Loss of All Alternating Current Power." Specifically, the licensee did not have an accurate analysis to show that the RCIC pump had sufficient net positive suction head (NPSH) to operate under station blackout conditions. This issue was entered into the licensee's corrective action system and the licensee performed a preliminary analysis which showed that there was sufficient NPSH during station blackout conditions.

This finding was more than minor because it affected an attribute of the mitigating systems cornerstone. Specifically, the licensee failed to demonstrate that there was sufficient NPSH available to ensure the operability and reliability of the RCIC pump under station blackout conditions. This finding was of very low safety significance because it screened out using the Phase 1 worksheet.

Inspection Report# : [2005008\(pdf\)](#)

Barrier Integrity

Emergency Preparedness

Occupational Radiation Safety

Significance: N/A Jan 27, 2006

Identified By: Licensee

Item Type: VIO Violation

Contractor Pipefitters Enter Condenser Pit HRA Without Required RP Briefing

On February 13, 2005, a contractor pipefitter foreman and two contractor pipefitters entered a posted HRA in the Unit 2 condenser pit to conduct repairs to a sprinkler head and did not sign the required HRA radiation work permit (RWP) or receive the radiation protection technician (RPT)-provided HRA briefing required for work in a HRA. The HRA was properly posted and barricaded with a fence gate and with a swing gate to preclude inadvertent entry. A licensee contractor RPT identified the contractor pipefitter foreman and pipefitters inappropriate entry into the HRA. The contractor pipefitter foreman and pipefitters actions were an apparent violation of Technical Specification 5.4.1.a and Exelon Procedure RP-AA-460, Revision 4.

The NRC Office of Investigations (OI) conducted an investigation of the event involving an apparent violation of the Technical Specifications on February 13, 2005, at LaSalle County Station, Unit 2. The purpose of the OI investigation was to determine if a contractor pipefitter foreman and two contractor pipefitters willfully entered a posted high radiation area (HRA) without receiving the required HRA briefing. The OI investigation was completed on October 27, 2005. (OI Case 3-2005-007) Based on the results of the inspection and investigation, one apparent violation with wilful aspects was identified and is being considered for escalated enforcement action in accordance with the NRC Enforcement Policy.

Based on the information developed during the OI investigation and the information provided in the licensee's February 27, 2006 letter, the NRC has determined that a SL III violation of NRC requirements occurred.

Inspection Report# : [2005002\(pdf\)](#)

Inspection Report# : [2006008\(pdf\)](#)

Inspection Report# : [2006010\(pdf\)](#)

Public Radiation Safety

Significance:  Sep 30, 2005

Identified By: NRC

Item Type: NCV NonCited Violation

Failure to Obtain Evidence of Quality Furnished by a Contractor Resulting in Violation of the Certificate of Compliance for a Cask During a Shipment of Failed Fuel

The inspectors identified a finding and associated NCV of 10 CFR 71.12 (currently § 71.17) for the failure to comply with the Certificate of Compliance (CoC) for a Type B shipping cask. During preparation of the NAC International Legal Weight Truck (NAC-LWT) cask for shipment of failed fuel pins, the licensee followed the procedures provided by the contractor when placing a previously unused inner cask liner into service. However, the licensee did not ensure that the components of the shipping cask, including the liner, had been qualified for use in accordance with the CoC. As a result, during the loading process free water was entrained in the liner and was not detected until the cask and liner were opened upon receipt of the package. The finding was entered into the licensee's corrective action program.

The issue was more than minor because it was associated with the Plant Facilities/Equipment and Instruments attribute of the Public Radiation Safety Cornerstone and affected the cornerstone objective to ensure adequate protection of public health and safety from exposure to radioactive materials. The issue represents a finding of very low safety significance because it did not involve exceeding a radiation limit nor was there a breach of the package during transit. A Non-Cited Violation of general license granted by 10 CFR 71.12 (currently § 71.17) was identified for the failure to obtain objective evidence of quality furnished by the contractor or subcontractor, inspection at the contractor or subcontractor source, and examination of products on delivery. Corrective actions following the identification of the problem include development of a governing procedure to address corporate, station, and vendor roles and responsibilities as well as other shipping considerations (e.g., reporting requirements, use of qualified package) prior to future irradiated fuel shipments).

Inspection Report# : [2005004\(pdf\)](#)

Physical Protection

[Physical Protection](#) information not publicly available.

Miscellaneous

Last modified : August 25, 2006